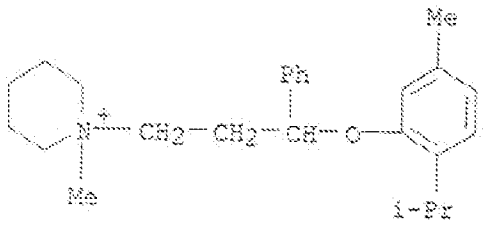
AN 1977:109458 CAPLUS
DN 86:109458
TI Aromatic amino ether quaternary ammonium salts
IN Ogawa, Shuntaro; Morita, Kan; Yoshida, Akiyoshi
PA Rohto Pharmaceutical Co., Ltd., Japan
SO Japan., 9 pp.
CODEN: JAKKAD
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 51044934	B4	19761201	JP 1969-99283	19691209

AB RC6H4ZCHPhCH2CH2N+R1R2R3 X- (I; R = H, halo, Me; R1, R2 = H, alkyl, R1R2 = alkylene contg. optional O atom; R3 = alkyl; X = halo; Z = O, S) were prepd. by quaternization of RC6H4ZCHPhCH2CH2NR1R2 (II) with R3X. I were useful as antispasmodics, anticholinergics, antiinflammatants, and analgesics. Thus, excess MeI was added to II [R = H, R1R2 = (CH2)5, Z = O], obtained from 2.4 g of its HCl salt after treatment with aq. NaOH and Et2O extn., in MeOH at room temp. to give 2.6 g I [R = H, R1R2 = (CH2)5, R3 = Me, X = iodo, Z = O], which had anticholinergic activity with ED50 of 1.6 .times. 10-8 g/mL in guinea pigs. Similarly prepd. were 17 addnl. I and their biol. activity given.

IT 42063-78-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 42063-78-5 CAPLUS
CN Piperidinium, 1-methyl-1-[3-[5-methyl-2-(1-methylethyl)phenoxy]-3-phenylpropyl]-, iodide (9CI) (CA INDEX NAME)



● I-

AN 1977:189458 CAPLUS
DN 86:189458
TI Aromatic amino ether quaternary ammonium salts
IN Ogawa, Shuntaro; Morita, Kan; Yoshida, Akiyoshi
PA Rohto Pharmaceutical Co., Ltd., Japan
SO Japan., 9 pp.
CODEN: JAXXAD
DT Patent
LA Japanese
IC C07C093-12
CC 25-4 (Noncondensed Aromatic Compounds)
Section cross-reference(s): 27
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 51044934	B4	19761201	JP 1969-99283	19691209

AB RC6H4ZCHPhCH2CR2N+R1R2R3 X- (I; R = H, halo, Me; R1, R2 = H, alkyl, R1R2 = alkylene contg. optional O atom; R3 = alkyl; X = halo; Z = O, S) were prepd. by quaternization of RC6H4ZCHPhCH2CH2NR1R2 (II) with R3X. I were useful as antispasmodics, anticholinergics, antiinflammatants, and analgesics. Thus, excess MeI was added to II (R = H, R1R2 = (CH2)5, Z = O), obtained from 2.4 g of its HCl salt after treatment with aq. NaOH and Et2O extn., in MeOH at room temp. to give 2.6 g I (R = H, NR1R2 = (CH2)5, R3 = Me, X = iodo, Z = O), which had anticholinergic activity with ED50 of 1.6 + 10-8 g/mL in guinea pigs. Similarly prepd. were 17 addnl. I and their biol. activity given.

ST quaternary arom ether antispasmodic; anticholinergic quaternary aryloxypropylammonium halide; antiinflammatant quaternary aryloxypropylammonium halide; analgesic quaternary aryloxypropylammonium halide; aryloxypropylammonium halide antispasmodic anticholinergic; aryloxypropylpiperidinium halide antispasmodic anticholinergic

IT Analgesics
Inflammation inhibitors
Muscle relaxants and Spasmolytics
Parasympatholytics
(aryloxypropylammonium halides)

IT 42064-71-1P 42064-72-2P 42064-73-3P 42064-74-4P 42064-76-6P
42064-79-9P 42064-85-7P **42796-63-4P** 42796-67-8P
42966-33-0P 51074-51-2P 51543-53-4P **62663-36-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and anticholinergic activity of)

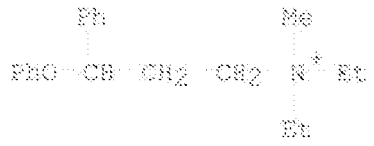
IT 42063-78-9P **42796-62-3P** 42796-71-4P 43213-28-1P
51543-52-3P 62663-50-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

IT 42064-87-9P 42064-89-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn., antispasmodic and analgesic activity of)

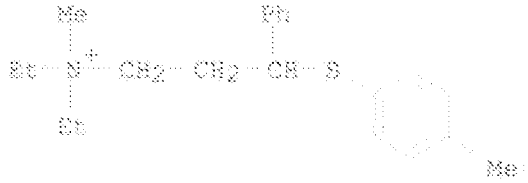
IT 42796-29-2 62663-37-0 62663-38-1 62663-39-2 62663-40-5
62663-41-6 **62663-42-7 62663-43-8** 62663-44-9
62663-45-0 62663-46-1 62663-47-2 62663-48-3 62663-49-4
RL: RCT (Reactant)
(quaternization of)

IT **42796-63-4P 62663-36-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and anticholinergic activity of)

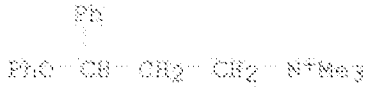
RN 42796-63-4 CAPLUS
CN Benzenepropanaminium, N,N-diethyl-N-methyl-γ-phenoxy-, iodide (9CI) (CA INDEX NAME)



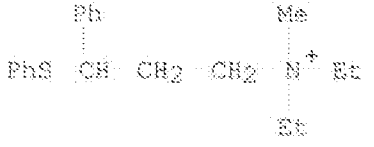
RN 62663-36-9 CAPLUS
CN Benzenepropanaminium, N,N-diethyl-N-methyl-γ-[(4-methylphenyl)thio]-, iodide (9CI) (CA INDEX NAME)



IT **42796-62-3P 51543-52-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 42796-62-3 CAPLUS
CN Benzenepropanaminium, N,N,N-trimethyl-γ-phenoxy-, iodide (9CI) (CA INDEX NAME)

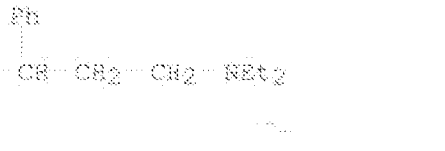


RN 51543-52-3 CAPLUS
CN Benzenepropanaminium, N,N-diethyl-N-methyl-γ-(phenylthio)-, iodide (9CI) (CA INDEX NAME)



IT **62663-42-7 62663-43-8**

RL: RCT (Reactant)
(quaternization of)
RN 62663-42-7 CAPLUS
CN Benzenepropanamine, N,N-diethyl-γ-phenoxy- (9CI) (CA INDEX NAME)



RN 62663-43-8 CAPLUS
CN Benzenepropanamine, N,N-diethyl-γ-[(4-methylphenyl)thio]- (9CI) (CA INDEX NAME)